IN THE CLAIMS

Please amend the claims as follows:

1. (original) A video encoding method for the compression of an original video sequence divided into successive groups of frames (GOFs), said method comprising the steps of:

(1) generating from the original video sequence, by means of a wavelet

decomposition, a low resolution sequence including successive low resolution GOFs ;

(2) performing on said low resolution sequence a low resolution decomposition, by means of a motion compensated spatio-temporal analysis of each low resolution GOF ;

(3) generating from said low resolution decomposition a full resolution sequence, by means of an anchoring of the high frequency spatial subbands resulting from the wavelet decomposition to said low resolution decomposition ;

(4) coding said full resolution sequence and the motion vectors generated during the motion compensated spatio-temporal analysis, for generating an output coded bitstream.

2. (original) A method according to claim 1, in which, for each frame, said high spatial subbands are directly anchored to the low

resolution subband that, in said spatio-temporal decomposition, looks most like said frame, depending on the motion estimation direction.

3. (original) A method according to claim 1, in which a predictive mode is used to construct the high spatial subbands, said high spatial subbands resulting from a second wavelet decomposition performed on a prediction error obtained from a motion compensation applied to the original video sequence.

4. (currently amended) An encoding device for the implementation of the video encoding method according to ~~anyone of claims 1 to 3~~claim 1.

5. (currently amended) A method for decoding an input bitstream coded by means of an encoding method according to ~~anyone of claims 1 to 3~~claim 1, said decoding method comprising the steps of :

(1) decoding said input coded bitstream for generating a decoded full

resolution sequence and associated decoded motion vectors ;

(2) in said decoded full resolution sequence, separating the decoded high frequency spatial subbands and the decoded low resolution decomposition ;

(3) generating from said decoded low resolution decomposition, by means of motion compensated spatio-temporal synthesis, a decoded low resolution sequence ;

(4) reconstructing from said decoded low resolution sequence and the decoded high frequency spatial subbands an output full resolution sequence corresponding to the original video sequence.

6. (original) A decoding device for the implementation of the video decoding method according to claim 5.